

## Multiclean VK7

### Hazards for humans and the environment



Contains disodium disilicate (Disodium Disilicate), sodium alkylbenzenesulphonate (Sodium Dodecylbenzenesulfonate)

Signal word:

Danger.

Hazard statements:

H318 - Causes serious eye damage.

### Prevention and conduct



The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Covering activities such as filling and transfer of product to application equipment, flasks or buckets

**Appropriate engineering controls:**

If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.

**Appropriate organisational controls:**

Avoid direct contact and/or splashes where possible. Train personnel.

**Personal protective equipment**

**Eye / face protection:**

Safety glasses or goggles (EN 166).

**Hand protection:**

No special requirements under normal use conditions.

**Body protection:**

No special requirements under normal use conditions.

**Respiratory protection:**

No special requirements under normal use conditions.

**Environmental exposure controls:**

No special requirements under normal use conditions.



Recommended safety measures for handling the diluted product:

**Recommended maximum concentration (% w/w):** 10

**Appropriate engineering controls:**

Provide a good standard of general ventilation. Ensure that foam equipment does not generate respirable particles.

**Appropriate organisational controls:**

No special requirements under normal use conditions.



**Personal protective equipment**

**Eye / face protection:**

Safety glasses or goggles (EN 166) are always recommended for foam applications.

**Hand protection:**

Chemical-resistant protective gloves (EN 374) are always recommended for foam applications. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

**Body protection:**

No special requirements under normal use conditions.

**Respiratory protection:**

Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available.

**Environmental exposure controls:**

No special requirements under normal use conditions.

### Emergency procedure



**Suitable extinguishing media**

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

**Environmental precautions**

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

**Methods for cleaning up**

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

### First aid measures



**Inhalation:**

Get medical attention or advice if you feel unwell.

**Skin contact:**

Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.

**Eye contact:**

Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician.



**Ingestion:**

Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

Always check the product labels and consult the Safety Data Sheet for details. The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

MS1001722



## Multiclean VK7

Revision: 2022-07-10

Version: 02.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name: Multiclean VK7

UFI: F9G1-K0M0-P00N-7DJJ

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Product use:** Hard surface cleaner.  
For professional and industrial use only.

**Uses advised against:** Uses other than those identified are not recommended.

#### SWED - Sector-specific worker exposure description :

AISE\_SWED\_PW\_4\_1  
AISE\_SWED\_PW\_8a\_2  
AISE\_SWED\_PW\_8b\_2  
AISE\_SWED\_IS\_8b\_2  
AISE\_SWED\_PW\_4\_1  
AISE\_SWED\_PW\_11\_1  
AISE\_SWED\_PW\_13\_2  
AISE\_SWED\_PW\_19\_1  
AISE\_SWED\_IS\_4\_1  
AISE\_SWED\_IS\_7\_4  
AISE\_SWED\_IS\_7\_5  
AISE\_SWED\_IS\_13\_3

#### 1.3 Details of the supplier of the safety data sheet

Diversey Europe Operations BV, Maarssenbroeksedijk 2, 3542DN Utrecht, The Netherlands

#### Contact details

Diversey Ltd  
Weston Favell Centre, Northampton NN3 8PD, United Kingdom  
Tel: 01604 405311, Fax: 01604 406809  
Regulatory Email: customerservice.uk@diversey.com

#### 1.4 Emergency telephone number

Seek medical advice (show the label or safety data sheet where possible)  
For medical or environmental emergency only:  
call 0800 052 0185

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Eye Dam. 1 (H318)

#### 2.2 Label elements



**Signal word:** Danger.

Contains disodium disilicate (Disodium Disilicate), sodium alkylbenzenesulphonate (Sodium Dodecylbenzenesulfonate)

#### Hazard statements:

H318 - Causes serious eye damage.

#### Precautionary statements:

## Multiclean VK7

P280 - Wear eye or face protection.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTRE, doctor or physician.

### 2.3 Other hazards

No other hazards known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

| Ingredient(s)                   | EC number | CAS number | REACH number     | Classification   | Notes | Weight percent |
|---------------------------------|-----------|------------|------------------|--|-------|----------------|
| (2-methoxymethylethoxy)propanol | 252-104-2 | 34590-94-8 | 01-2119450011-60 | Not classified as hazardous                                      |       | 3-10           |
| disodium disilicate             | 237-623-4 | 13870-28-5 | [1]              | Eye Dam. 1 (H318)  |       | 1-3            |
| sodium alkylbenzenesulphonate   | 290-656-6 | 90194-45-9 | [1]              | Acute Tox. 4 (H302)<br>Skin Irrit. 2 (H315)<br>Eye Dam. 1 (H318) |       | 1-3            |

Workplace exposure limit(s), if available, are listed in subsection 8.1.

ATE, if available, are listed in section 11.

[1] Exempted: ionic mixture. See Regulation (EC) No 1907/2006, Annex V, paragraph 3 and 4. This salt is potentially present, based on calculation, and included for classification and labelling purposes only. Each starting material of the ionic mixture is registered, as required.

For the full text of the H and EUH phrases mentioned in this Section, see Section 16..

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|  |   |
|--|---|
| <b>Inhalation:</b>                     | Get medical attention or advice if you feel unwell.   |
| <b>Skin contact:</b>                   | Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.  |
| <b>Eye contact:</b>                    | Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE, doctor or physician. |
| <b>Ingestion:</b>                      | Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.   |
| <b>Self-protection of first aider:</b> | Consider personal protective equipment as indicated in subsection 8.2.  |

### 4.2 Most important symptoms and effects, both acute and delayed

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | No known effects or symptoms in normal use. |
| <b>Skin contact:</b> | No known effects or symptoms in normal use. |
| <b>Eye contact:</b>  | Causes severe or permanent damage.          |
| <b>Ingestion:</b>    | No known effects or symptoms in normal use. |

### 4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

### 5.2 Special hazards arising from the substance or mixture

No special hazards known.

### 5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear eye/face protection.

### 6.2 Environmental precautions

Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

### 6.3 Methods and material for containment and cleaning up

Dyke to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust). Do not place spilled

## Multiclean VK7

materials back into the original container. Collect in closed and suitable containers for disposal.

#### 6.4 Reference to other sections

For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Measures to prevent fire and explosions:

No special precautions required.

#### Measures required to protect the environment:

For environmental exposure controls see subsection 8.2.

#### Advices on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless advised by Diversey. Wash hands before breaks and at the end of workday. Avoid contact with eyes. Use only with adequate ventilation. See chapter 8.2, Exposure controls / Personal protection.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local and national regulations. Store in a closed container. Keep only in original packaging.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

### 7.3 Specific end use(s)

No specific advice for end use available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Workplace exposure limits

Air limit values, if available:

| Ingredient(s)                   | UK - Long term value(s)         | UK - Short term value(s)         |
|---------------------------------|---------------------------------|----------------------------------|
| (2-methoxymethylethoxy)propanol | 50 ppm<br>308 mg/m <sup>3</sup> | 150 ppm<br>924 mg/m <sup>3</sup> |

Biological limit values, if available:

#### Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

### DNEL/DMEL and PNEC values

#### Human exposure

DNEL/DMEL oral exposure - Consumer (mg/kg bw)

| Ingredient(s)                   | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| (2-methoxymethylethoxy)propanol | -                          | -                             | -                         | 36                           |
| disodium disilicate             | No data available          | No data available             | No data available         | No data available            |
| sodium alkylbenzenesulphonate   | -                          | -                             | -                         | 0.425                        |

DNEL/DMEL dermal exposure - Worker

| Ingredient(s)                   | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|---------------------------------|----------------------------|--|---------------------------|---|
| (2-methoxymethylethoxy)propanol | No data available          | -  | No data available         | 283                                     |
| disodium disilicate             | No data available          | No data available                        | No data available         | No data available                       |
| sodium alkylbenzenesulphonate   | No data available          | -  | No data available         | -                                       |

DNEL/DMEL dermal exposure - Consumer

| Ingredient(s)                   | Short term - Local effects | Short term - Systemic effects (mg/kg bw) | Long term - Local effects | Long term - Systemic effects (mg/kg bw) |
|---------------------------------|----------------------------|--|---------------------------|---|
| (2-methoxymethylethoxy)propanol | No data available          | -  | No data available         | 15                                      |
| disodium disilicate             | No data available          | No data available                        | No data available         | No data available                       |
| sodium alkylbenzenesulphonate   | No data available          | -  | No data available         | -                                       |

DNEL/DMEL inhalatory exposure - Worker (mg/m<sup>3</sup>)

| Ingredient(s)                   | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| (2-methoxymethylethoxy)propanol | -                          | -                             | -                         | 308                          |
| disodium disilicate             | No data available          | No data available             | No data available         | No data available            |

## Multiclean VK7

|                               |   |   |   |   |
|-------------------------------|---|---|---|---|
| sodium alkylbenzenesulphonate | - | - | - | - |
|-------------------------------|---|---|---|---|

DNEL/DMEL inhalatory exposure - Consumer (mg/m<sup>3</sup>)

| Ingredient(s)                   | Short term - Local effects | Short term - Systemic effects | Long term - Local effects | Long term - Systemic effects |
|---------------------------------|----------------------------|-------------------------------|---------------------------|------------------------------|
| (2-methoxymethylethoxy)propanol | -                          | -                             | -                         | 37.2                         |
| disodium disilicate             | No data available          | No data available             | No data available         | No data available            |
| sodium alkylbenzenesulphonate   | -                          | -                             | -                         | -                            |

**Environmental exposure**

Environmental exposure - PNEC

| Ingredient(s)                   | Surface water, fresh (mg/l) | Surface water, marine (mg/l) | Intermittent (mg/l) | Sewage treatment plant (mg/l) |
|---------------------------------|-----------------------------|------------------------------|---------------------|-------------------------------|
| (2-methoxymethylethoxy)propanol | 19                          | 1.9                          | 190                 | 4168                          |
| disodium disilicate             | No data available           | No data available            | No data available   | No data available             |
| sodium alkylbenzenesulphonate   | -                           | -                            | -                   | -                             |

Environmental exposure - PNEC, continued

| Ingredient(s)                   | Sediment, freshwater (mg/kg) | Sediment, marine (mg/kg) | Soil (mg/kg)      | Air (mg/m <sup>3</sup> ) |
|---------------------------------|------------------------------|--------------------------|-------------------|--------------------------|
| (2-methoxymethylethoxy)propanol | 70.2                         | 7.02                     | 2.74              | 190                      |
| disodium disilicate             | No data available            | No data available        | No data available | No data available        |
| sodium alkylbenzenesulphonate   | -                            | -                        | -                 | -                        |

**8.2 Exposure controls**

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

**Appropriate engineering controls:** If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required.

**Appropriate organisational controls:** Avoid direct contact and/or splashes where possible. Train personnel.

**REACH use scenarios considered for the undiluted product:**

|   | SWED - Sector-specific worker exposure description | LCS | PROC    | Duration (min) | ERC   |
|---|--|-----|---------|----------------|-------|
| Automatic transfer and dilution             | AISE_SWED_IS_8b_2                                  | IS  | PROC 8b | 60             | ERC4  |
| Automatic application in a dedicated system | AISE_SWED_PW_4_1                                   | PW  | PROC 4  | 480            | ERC8a |
| Manual transfer and dilution                | AISE_SWED_PW_8a_2                                  | PW  | PROC 8a | 60             | ERC8a |
| Automatic transfer and dilution             | AISE_SWED_PW_8b_2                                  | PW  | PROC 8b | 60             | ERC8b |

**Personal protective equipment**

**Eye / face protection:** Safety glasses or goggles (EN 166).

**Hand protection:** No special requirements under normal use conditions.

**Body protection:** No special requirements under normal use conditions.

**Respiratory protection:** No special requirements under normal use conditions.

**Environmental exposure controls:** No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

**Recommended maximum concentration (% w/w):** 10

**Appropriate engineering controls:** Provide a good standard of general ventilation. Ensure that foam equipment does not generate respirable particles.

**Appropriate organisational controls:** No special requirements under normal use conditions.

**REACH use scenarios considered for the diluted product:**

|   | SWED              | LCS | PROC    | Duration (min) | ERC   |
|---|-------------------|-----|---------|----------------|-------|
| Manual application by dipping, soaking, pouring | AISE_SWED_IS_13_3 | IS  | PROC 13 | 240            | ERC4  |
| Automatic application in a dedicated system     | AISE_SWED_IS_4_1  | IS  | PROC 4  | 480            | ERC8a |
| Foam spraying                                   | AISE_SWED_IS_7_4  | IS  | PROC 7  | 480            | ERC4  |
| Spray application                               | AISE_SWED_IS_7_5  |     |         |                |       |
| Foam spraying                                   | AISE_SWED_PW_11_1 | PW  | PROC 11 | 60             | ERC8a |
| Spray application                               |                   |     |         |                |       |

## Multiclean VK7

|   |                   |    |         |     |       |
|---|-------------------|----|---------|-----|-------|
| Manual application by dipping, soaking, pouring | AISE_SWED_PW_13_2 | PW | PROC 13 | 60  | ERC8a |
| Manual application                              | AISE_SWED_PW_19_1 | PW | PROC 19 | 480 | ERC8a |
| Automatic application in a dedicated system     | AISE_SWED_PW_4_1  | PW | PROC 4  | 480 | ERC8a |

**Personal protective equipment****Eye / face protection:**

Safety glasses or goggles (EN 166) are always recommended for foam applications.

**Hand protection:**

Chemical-resistant protective gloves (EN 374) are always recommended for foam applications.

Verify instructions regarding permeability and breakthrough time, as provided by the gloves supplier. Consider specific local use conditions, such as risk of splashes, cuts, contact time and temperature.

Suggested gloves for prolonged contact: Material: butyl rubber Penetration time:  $\geq 480$  min Material thickness:  $\geq 0.7$  mm

In consultation with the supplier of protective gloves a different type providing similar protection may be chosen.

**Body protection:**

No special requirements under normal use conditions.

**Respiratory protection:**

Trigger spray bottle application: No special requirements under normal use conditions. Apply technical measures to comply with the occupational exposure limits, if available.

**Environmental exposure controls:** No special requirements under normal use conditions.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Information in this section refers to the product, unless it is specifically stated that substance data is listed

**Method / remark****Physical state:** Liquid**Colour:** Clear , Pale , from Yellow to Colourless**Odour:** Product specific**Odour threshold:** Not applicable**Melting point/freezing point (°C):** Not determined

Not relevant to classification of this product

**Initial boiling point and boiling range (°C):** Not determined

See substance data

Substance data, boiling point

| Ingredient(s)                   | Value (°C)        | Method           | Atmospheric pressure (hPa) |
|---------------------------------|-------------------|------------------|----------------------------|
| (2-methoxymethylethoxy)propanol | 189.6             | Method not given | 1013                       |
| disodium disilicate             | No data available |                  |                            |
| sodium alkylbenzenesulphonate   | No data available |                  |                            |

**Method / remark****Flammability (solid, gas):** Not applicable to liquids**Flammability (liquid):** Not flammable.**Flash point (°C):** Not applicable.**Sustained combustion:** Not applicable.*(UN Manual of Tests and Criteria, section 32, L.2)***Lower and upper explosion limit/flammability limit (%):** Not determined

See substance data

Substance data, flammability or explosive limits, if available:

| Ingredient(s)                   | Lower limit (% vol) | Upper limit (% vol) |
|---------------------------------|---------------------|---------------------|
| (2-methoxymethylethoxy)propanol | 1.1                 | 14                  |

**Method / remark****Autoignition temperature:** Not determined**Decomposition temperature:** Not applicable.**pH:**  $\geq 11.5$  (neat)

ISO 4316

**Kinematic viscosity:** Not determined**Solubility in / Miscibility with water:** Fully miscible

Substance data, solubility in water

| Ingredient(s)                   | Value (g/l)       | Method           | Temperature (°C) |
|---------------------------------|-------------------|------------------|------------------|
| (2-methoxymethylethoxy)propanol | Soluble           | Method not given | 20               |
| disodium disilicate             | No data available |                  |                  |
| sodium alkylbenzenesulphonate   | No data available |                  |                  |

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

**Method / remark****Vapour pressure:** Not determined

See substance data

## Multiclean VK7

Substance data, vapour pressure

| Ingredient(s)                   | Value (Pa)        | Method           | Temperature (°C) |
|---------------------------------|-------------------|------------------|------------------|
| (2-methoxymethylethoxy)propanol | 5500              | Method not given | 20               |
| disodium disilicate             | No data available |                  |                  |
| sodium alkylbenzenesulphonate   | No data available |                  |                  |

**Relative density:** ≈ 1.03 (20 °C)**Relative vapour density:** No data available.**Particle characteristics:** No data available.**Method / remark**

OECD 109 (EU A.3)

Not relevant to classification of this product

Not applicable to liquids.

**9.2 Other information****9.2.1 Information with regard to physical hazard classes****Explosive properties:** Not explosive.**Oxidising properties:** Not oxidising.**Corrosion to metals:** Not corrosive

Weight of evidence

**9.2.2 Other safety characteristics**

No other relevant information available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**

Stable under normal storage and use conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known under normal storage and use conditions.

**10.4 Conditions to avoid**

None known under normal storage and use conditions.

**10.5 Incompatible materials**

None known under normal use conditions.

**10.6 Hazardous decomposition products**

None known under normal storage and use conditions.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Mixture data:

**Relevant calculated ATE(s):**

ATE - Oral (mg/kg): &gt;2000

Substance data, where relevant and available, are listed below:

**Acute toxicity**

Acute oral toxicity

| Ingredient(s)                   | Endpoint         | Value (mg/kg)     | Species | Method            | Exposure time (h) | ATE (mg/kg)     |
|---------------------------------|------------------|-------------------|---------|-------------------|-------------------|-----------------|
| (2-methoxymethylethoxy)propanol | LD <sub>50</sub> | > 5000            | Rat     | OECD 401 (EU B.1) |                   | Not established |
| disodium disilicate             |                  | No data available |         |                   |                   | Not established |
| sodium alkylbenzenesulphonate   | LD <sub>50</sub> | > 1470            | Rat     | OECD 401 (EU B.1) |                   | 110000          |

Acute dermal toxicity

| Ingredient(s)                   | Endpoint         | Value (mg/kg)     | Species | Method           | Exposure time (h) | ATE (mg/kg)     |
|---------------------------------|------------------|-------------------|---------|------------------|-------------------|-----------------|
| (2-methoxymethylethoxy)propanol | LD <sub>50</sub> | 9510              | Rabbit  | Method not given |                   | Not established |
| disodium disilicate             |                  | No data available |         |                  |                   | Not established |

## Multiclean VK7

|                               |  |                   |  |  |                 |
|-------------------------------|--|-------------------|--|--|-----------------|
| sodium alkylbenzenesulphonate |  | No data available |  |  | Not established |
|-------------------------------|--|-------------------|--|--|-----------------|

## Acute inhalative toxicity

| Ingredient(s)                   | Endpoint        | Value (mg/l)                           | Species | Method | Exposure time (h) |
|---------------------------------|-----------------|--|---------|--------|-------------------|
| (2-methoxymethylethoxy)propanol | LC <sub>0</sub> | > 1.667 (vapour) No mortality observed | Rat     |        | 7                 |
| disodium disilicate             |                 | No data available                      |         |        |                   |
| sodium alkylbenzenesulphonate   |                 | No data available                      |         |        |                   |

## Acute inhalative toxicity, continued

| Ingredient(s)                   | ATE - inhalation, dust (mg/l) | ATE - inhalation, mist (mg/l) | ATE - inhalation, vapour (mg/l) | ATE - inhalation, gas (mg/l) |
|---------------------------------|-------------------------------|-------------------------------|---------------------------------|------------------------------|
| (2-methoxymethylethoxy)propanol | Not established               | Not established               | Not established                 | Not established              |
| disodium disilicate             | Not established               | Not established               | Not established                 | Not established              |
| sodium alkylbenzenesulphonate   | Not established               | Not established               | Not established                 | Not established              |

## Irritation and corrosivity

## Skin irritation and corrosivity

| Ingredient(s)                   | Result            | Species | Method           | Exposure time |
|---------------------------------|-------------------|---------|------------------|---------------|
| (2-methoxymethylethoxy)propanol | Not irritant      |         | Method not given |               |
| disodium disilicate             | No data available |         |                  |               |
| sodium alkylbenzenesulphonate   | No data available |         |                  |               |

## Eye irritation and corrosivity

| Ingredient(s)                   | Result                    | Species | Method           | Exposure time |
|---------------------------------|---------------------------|---------|------------------|---------------|
| (2-methoxymethylethoxy)propanol | Not corrosive or irritant |         | Method not given |               |
| disodium disilicate             | No data available         |         |                  |               |
| sodium alkylbenzenesulphonate   | No data available         |         |                  |               |

## Respiratory tract irritation and corrosivity

| Ingredient(s)                   | Result            | Species | Method | Exposure time |
|---------------------------------|-------------------|---------|--------|---------------|
| (2-methoxymethylethoxy)propanol | No data available |         |        |               |
| disodium disilicate             | No data available |         |        |               |
| sodium alkylbenzenesulphonate   | No data available |         |        |               |

## Sensitisation

## Sensitisation by skin contact

| Ingredient(s)                   | Result            | Species | Method           | Exposure time (h) |
|---------------------------------|-------------------|---------|------------------|-------------------|
| (2-methoxymethylethoxy)propanol | Not sensitising   |         | Method not given |                   |
| disodium disilicate             | No data available |         |                  |                   |
| sodium alkylbenzenesulphonate   | No data available |         |                  |                   |

## Sensitisation by inhalation

| Ingredient(s)                   | Result            | Species | Method | Exposure time |
|---------------------------------|-------------------|---------|--------|---------------|
| (2-methoxymethylethoxy)propanol | No data available |         |        |               |
| disodium disilicate             | No data available |         |        |               |
| sodium alkylbenzenesulphonate   | No data available |         |        |               |

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

## Mutagenicity

| Ingredient(s)                   | Result (in-vitro)                                   | Method (in-vitro) | Result (in-vivo)  | Method (in-vivo) |
|---------------------------------|---|-------------------|-------------------|------------------|
| (2-methoxymethylethoxy)propanol | No evidence for mutagenicity, negative test results | Method not given  | No data available |                  |
| disodium disilicate             | No data available                                   |                   | No data available |                  |
| sodium alkylbenzenesulphonate   | No data available                                   |                   | No data available |                  |

## Carcinogenicity

| Ingredient(s)                   | Effect   |
|---------------------------------|--|
| (2-methoxymethylethoxy)propanol | No evidence for carcinogenicity, negative test results |
| disodium disilicate             | No data available                                      |
| sodium alkylbenzenesulphonate   | No data available                                      |

## Multiclean VK7

## Toxicity for reproduction

| Ingredient(s)                   | Endpoint | Specific effect | Value (mg/kg bw/d) | Species | Method | Exposure time | Remarks and other effects reported    |
|---------------------------------|----------|-----------------|--------------------|---------|--------|---------------|---------------------------------------|
| (2-methoxymethylethoxy)propanol |          |                 | No data available  |         |        |               | No evidence for reproductive toxicity |
| disodium disilicate             |          |                 | No data available  |         |        |               |                                       |
| sodium alkylbenzenesulphonate   |          |                 | No data available  |         |        |               |                                       |

## Repeated dose toxicity

## Sub-acute or sub-chronic oral toxicity

| Ingredient(s)                   | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|---------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| (2-methoxymethylethoxy)propanol |          | No data available  |         |        |                      |                                      |
| disodium disilicate             |          | No data available  |         |        |                      |                                      |
| sodium alkylbenzenesulphonate   |          | No data available  |         |        |                      |                                      |

## Sub-chronic dermal toxicity

| Ingredient(s)                   | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|---------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| (2-methoxymethylethoxy)propanol |          | No data available  |         |        |                      |                                      |
| disodium disilicate             |          | No data available  |         |        |                      |                                      |
| sodium alkylbenzenesulphonate   |          | No data available  |         |        |                      |                                      |

## Sub-chronic inhalation toxicity

| Ingredient(s)                   | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time (days) | Specific effects and organs affected |
|---------------------------------|----------|--------------------|---------|--------|----------------------|--------------------------------------|
| (2-methoxymethylethoxy)propanol |          | No data available  |         |        |                      |                                      |
| disodium disilicate             |          | No data available  |         |        |                      |                                      |
| sodium alkylbenzenesulphonate   |          | No data available  |         |        |                      |                                      |

## Chronic toxicity

| Ingredient(s)                   | Exposure route | Endpoint | Value (mg/kg bw/d) | Species | Method | Exposure time | Specific effects and organs affected | Remark |
|---------------------------------|----------------|----------|--------------------|---------|--------|---------------|--------------------------------------|--------|
| (2-methoxymethylethoxy)propanol |                |          | No data available  |         |        |               |                                      |        |
| disodium disilicate             |                |          | No data available  |         |        |               |                                      |        |
| sodium alkylbenzenesulphonate   |                |          | No data available  |         |        |               |                                      |        |

## STOT-single exposure

| Ingredient(s)                   | Affected organ(s) |
|---------------------------------|-------------------|
| (2-methoxymethylethoxy)propanol | No data available |
| disodium disilicate             | No data available |
| sodium alkylbenzenesulphonate   | No data available |

## STOT-repeated exposure

| Ingredient(s)                   | Affected organ(s) |
|---------------------------------|-------------------|
| (2-methoxymethylethoxy)propanol | No data available |
| disodium disilicate             | No data available |
| sodium alkylbenzenesulphonate   | No data available |

## Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

## Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

## 11.2 Information on other hazards

## 11.2.1 Endocrine disrupting properties

## Multiclean VK7

Endocrine disrupting properties - Human data, if available:

### 11.2.2 Other information

No other relevant information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

No data is available on the mixture.

Substance data, where relevant and available, are listed below:

#### Aquatic short-term toxicity

Aquatic short-term toxicity - fish

| Ingredient(s)                   | Endpoint         | Value (mg/l)      | Species                    | Method           | Exposure time (h) |
|---------------------------------|------------------|-------------------|----------------------------|------------------|-------------------|
| (2-methoxymethylethoxy)propanol | LC <sub>50</sub> | > 1000            | <i>Poecilia reticulata</i> | Method not given | 96                |
| disodium disilicate             |                  | No data available |                            |                  |                   |
| sodium alkylbenzenesulphonate   | LC <sub>50</sub> | No data available |                            |                  |                   |

Aquatic short-term toxicity - crustacea

| Ingredient(s)                   | Endpoint         | Value (mg/l)      | Species                     | Method           | Exposure time (h) |
|---------------------------------|------------------|-------------------|-----------------------------|------------------|-------------------|
| (2-methoxymethylethoxy)propanol | EC <sub>50</sub> | 1919              | <i>Daphnia magna</i> Straus | Method not given | 48                |
| disodium disilicate             |                  | No data available |                             |                  |                   |
| sodium alkylbenzenesulphonate   | EC <sub>50</sub> | 1.62              | <i>Daphnia magna</i> Straus |                  | 48                |

Aquatic short-term toxicity - algae

| Ingredient(s)                   | Endpoint         | Value (mg/l)      | Species                          | Method           | Exposure time (h) |
|---------------------------------|------------------|-------------------|----------------------------------|------------------|-------------------|
| (2-methoxymethylethoxy)propanol | EC <sub>50</sub> | > 969             | <i>Selenastrum capricornutum</i> | Method not given | 72                |
| disodium disilicate             |                  | No data available |                                  |                  |                   |
| sodium alkylbenzenesulphonate   | EC <sub>50</sub> | 29                | <i>Selenastrum capricornutum</i> |                  | 96                |

Aquatic short-term toxicity - marine species

| Ingredient(s)                   | Endpoint | Value (mg/l)      | Species | Method | Exposure time (days) |
|---------------------------------|----------|-------------------|---------|--------|----------------------|
| (2-methoxymethylethoxy)propanol |          | No data available |         |        |                      |
| disodium disilicate             |          | No data available |         |        |                      |
| sodium alkylbenzenesulphonate   |          | No data available |         |        |                      |

Impact on sewage plants - toxicity to bacteria

| Ingredient(s)                   | Endpoint         | Value (mg/l)      | Inoculum                  | Method           | Exposure time |
|---------------------------------|------------------|-------------------|---------------------------|------------------|---------------|
| (2-methoxymethylethoxy)propanol | EC <sub>10</sub> | 4168              | <i>Pseudomonas putida</i> | Method not given |               |
| disodium disilicate             |                  | No data available |                           |                  |               |
| sodium alkylbenzenesulphonate   |                  | No data available |                           |                  |               |

#### Aquatic long-term toxicity

Aquatic long-term toxicity - fish

| Ingredient(s)                   | Endpoint | Value (mg/l)      | Species | Method | Exposure time | Effects observed |
|---------------------------------|----------|-------------------|---------|--------|---------------|------------------|
| (2-methoxymethylethoxy)propanol |          | No data available |         |        |               |                  |
| disodium disilicate             |          | No data available |         |        |               |                  |
| sodium alkylbenzenesulphonate   |          | No data available |         |        |               |                  |

## Multiclean VK7

Aquatic long-term toxicity - crustacea

| Ingredient(s)                   | Endpoint | Value (mg/l)      | Species              | Method           | Exposure time | Effects observed |
|---------------------------------|----------|-------------------|----------------------|------------------|---------------|------------------|
| (2-methoxymethylethoxy)propanol | NOEC     | > 0.5             | <i>Daphnia magna</i> | Method not given | 22 day(s)     |                  |
| disodium disilicate             |          | No data available |                      |                  |               |                  |
| sodium alkylbenzenesulphonate   |          | No data available |                      |                  |               |                  |

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

| Ingredient(s)                   | Endpoint | Value (mg/kg dw sediment) | Species | Method | Exposure time (days) | Effects observed |
|---------------------------------|----------|---------------------------|---------|--------|----------------------|------------------|
| (2-methoxymethylethoxy)propanol |          | No data available         |         |        |                      |                  |
| disodium disilicate             |          | No data available         |         |        |                      |                  |
| sodium alkylbenzenesulphonate   |          | No data available         |         |        |                      |                  |

**Terrestrial toxicity**

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

**12.2 Persistence and degradability****Abiotic degradation**

Abiotic degradation - photodegradation in air, if available:

| Ingredient(s)                   | Half-life time | Method           | Evaluation              | Remark |
|---------------------------------|----------------|------------------|-------------------------|--------|
| (2-methoxymethylethoxy)propanol | < 1 day(s)     | Method not given | Rapidly photodegradable |        |

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

**Biodegradation**

Ready biodegradability - aerobic conditions

| Ingredient(s)                   | Inoculum | Analytical method | DT <sub>50</sub>  | Method    | Evaluation            |
|---------------------------------|----------|-------------------|-------------------|-----------|-----------------------|
| (2-methoxymethylethoxy)propanol |          | Oxygen depletion  | 75 % in 28 day(s) | OECD 301F | Readily biodegradable |
| disodium disilicate             |          |                   |                   |           | No data available     |
| sodium alkylbenzenesulphonate   |          |                   |                   | OECD 301B | Readily biodegradable |

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

**12.3 Bioaccumulative potential**Partition coefficient n-octanol/water (log K<sub>ow</sub>)

| Ingredient(s)                   | Value             | Method           | Evaluation                        | Remark |
|---------------------------------|-------------------|------------------|-----------------------------------|--------|
| (2-methoxymethylethoxy)propanol | 1.01              | Method not given | Low potential for bioaccumulation |        |
| disodium disilicate             | No data available |                  |                                   |        |
| sodium alkylbenzenesulphonate   | No data available |                  |                                   |        |

Bioconcentration factor (BCF)

| Ingredient(s)                   | Value             | Species | Method | Evaluation | Remark |
|---------------------------------|-------------------|---------|--------|------------|--------|
| (2-methoxymethylethoxy)propanol | No data available |         |        |            |        |
| disodium disilicate             | No data available |         |        |            |        |
| sodium                          | No data available |         |        |            |        |

## Multiclean VK7

|                            |  |  |  |  |
|----------------------------|--|--|--|--|
| alkylbenzenesulphonat<br>e |  |  |  |  |
|----------------------------|--|--|--|--|

**12.4 Mobility in soil**

Adsorption/Desorption to soil or sediment

| Ingredient(s)                   | Adsorption coefficient<br>Log Koc | Desorption coefficient<br>Log Koc(des) | Method | Soil/sediment type | Evaluation                          |
|---------------------------------|-----------------------------------|--|--------|--------------------|-------------------------------------|
| (2-methoxymethylethoxy)propanol | No data available                 |  |        |                    | High potential for mobility in soil |
| disodium disilicate             | No data available                 |  |        |                    |                                     |
| sodium alkylbenzenesulphonate   | No data available                 |  |        |                    |                                     |

**12.5 Results of PBT and vPvB assessment**

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

**12.6 Endocrine disrupting properties**

Endocrine disrupting properties - Environmental effects, if available:

**12.7 Other adverse effects**

No other adverse effects known.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Waste from residues / unused products:**

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

**European Waste Catalogue:**

20 01 15\* - alkalines.

**Empty packaging****Recommendation:**

Dispose of observing national or local regulations.

**Suitable cleaning agents:**

Water, if necessary with cleaning agent.

**SECTION 14: Transport information****Land transport (ADR/RID), Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)****14.1 UN number:** Non-dangerous goods**14.2 UN proper shipping name:** Non-dangerous goods**14.3 Transport hazard class(es):** Non-dangerous goods**14.4 Packing group:** Non-dangerous goods**14.5 Environmental hazards:** Non-dangerous goods**14.6 Special precautions for user:** Non-dangerous goods**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Non-dangerous goods**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations :**

- Regulation (EC) 1907/2006 - REACH (UK amended)
- Regulation (EC) 1272/2008 - CLP (UK amended)
- Regulation (EC) 648/2004 - Detergents regulation (UK amended)
- Delegated Regulation (EU) 2017/2100 and Regulation (EU) 2018/605 (UK amended)
- Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- International Maritime Dangerous Goods (IMDG) Code

**Authorisations or restrictions (Regulation (EC) No 1907/2006, Title VII respectively Title VIII):** Not applicable.**Ingredients according to Detergents Regulation**

anionic surfactants

&lt; 5 %

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents (UK amended). Data to support this assertion are held at the disposal of the competent authorities of the UK and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Comah - classification:** Not classified

## Multiclean VK7

**15.2 Chemical safety assessment**

A chemical safety assessment has not been carried out on the mixture

**SECTION 16: Other information**

*The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract*

**SDS code:** MS1001722

**Version:** 02.0

**Revision:** 2022-07-10

**Reason for revision:**

Overall design adjusted in accordance with Amendment 2020/878, Annex II of Regulation (EC) No 1907/2006, This data sheet contains changes from the previous version in section(s):, 2, 3, 4, 6, 7, 8, 9, 10, 16

**Classification procedure**

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

**Full text of the H and EUH phrases mentioned in section 3:**

- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.

**Abbreviations and acronyms:**

- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Limit
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organisation for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative

**End of Safety Data Sheet**